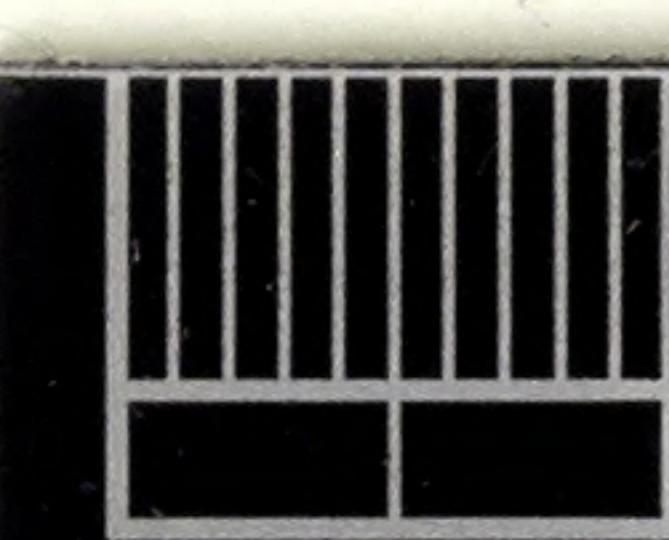


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BOTANICAL NOTEBOOKS

*Pagination Note:*  
*Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.*

*Solanaceae*



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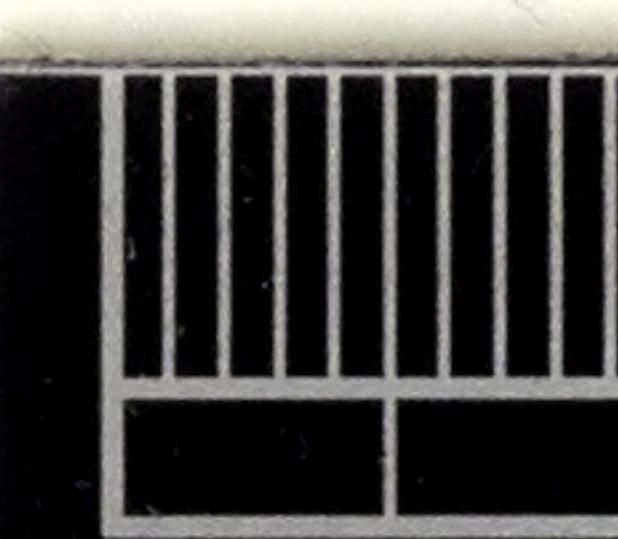
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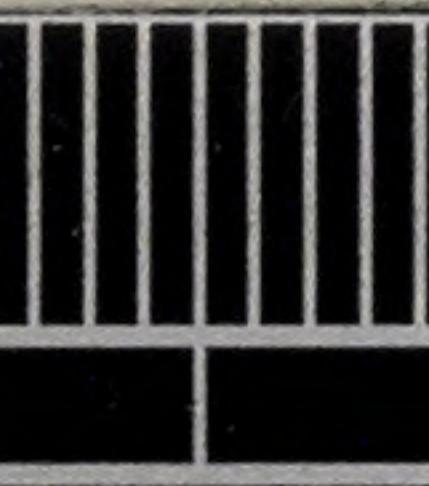


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pale whitish 4 Physalis fl. no spots  
rose colored 4 Physalis

Arizona Desert  
23 Sept

lack for Desert Aug, lepidot, 2 styles (or 8?)



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Aug 1866 Macbr. has only.

p. 739. *P. viscosa* (Pennsylvanica L. heterophylla Nees 4  
angustifolia Desv. 4  
? *Ph. Cadepressa* 0  
*P. pubescens* L. 0

Chapman Flora has

p. 350 *P. viscosa* L. (Pennsylvanica L. 4  
heterophylla Nees  
*P. laevigata* Mx (Elliottii King 4  
near Tidewater  
*P. angustifolia* Nutt. 4  
*P. laevigata* L. 0  
*P. pubescens* L. (hirsuta Des 0  
pubescens Ell.  
obsoleta Mich.

South-West Corner of Fifth and Market Streets.

DRUGGISTS,

LETCH & CO.,

MISSOURI BOTANICAL GARDEN

VEEX & CO.



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Flor. Amer. br.

I. Spinosa

1. *Ph. viscosa* L.  
3. — *Peanoguanda* L.  
4. — *tomentosa* Willd.  
5. — *Jacquinii* Link. (*viscosa* Jacq. Pursh)  
10. — *canescens* Michx. *Alkekengi*, *digitalifolia* Don. & *Belondi*  
13. — *Elliottii* Kunze *L* = *canescens* f. *Clapp.* H. 153  
15. — *heterophylla* Nees *var* = *mentana* Cels. *var*

1852

var

II Canescens sub. pubescens hirsuta

17. — *hystrix* Donn. n. sp. (obscuration)  
21. — *viscosa* pubescens Donn. n. sp. (obscurum var Pursh Mich.)  
24. — *glabra*, Brsh — Calif., San Joa.  
25. — *canescens* Willd. Calif. Bay of Magdal.  
33. — *hirsuta* Donn. n. sp. (angustata, Willd. to pubescens Willd. *etc*)  
34. — *pubescens* Lin  
37. — *angustata* Willd. Arkansas. Trans Am Phil Soc  
41. — *angustata* Lin (Cal & Wash side) 5. 193 P. A. H. 24  
cal pubescens apter. 4

46. — *Ph. Caudiphora* Lam.

non Solis notar

53. — *angustifolia* Nutt. *flavida*  
58. — *williamsii* Nutt. *Caroliniana*

2000 MUSEUM OF COLLEGE OF MEDICINE — overlooked. Belondi 153

*Ph. lobata* Torr. Ann. Lyce N.Y. 2. 226 = *Solan. latifolium* Don  
— *pumila* Nutt. Ann. Phil. Soc 5. 193 Pl. Atk p. 64  
— *cardiophylla* Don Belondi 153  
— *mollis* Nutt. Ann. Phil. Soc 192 Pl. Atk 4

*Ph. angustifolia* Nutt. Aug. H. p. 350 4

Belongs in *Prothomous*, 111

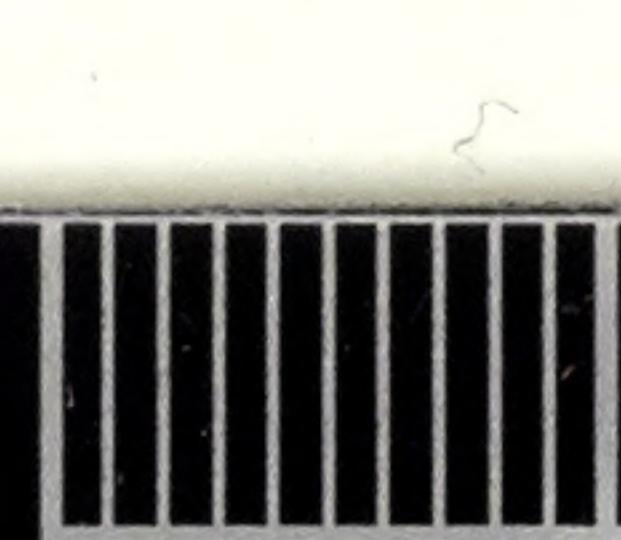
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Marble Building Cor. Fourth & Olive Sts. St. Louis, Mo.

**APOTHECARY & PHARMACEUTIST**

**ALEX. LEITCH.**



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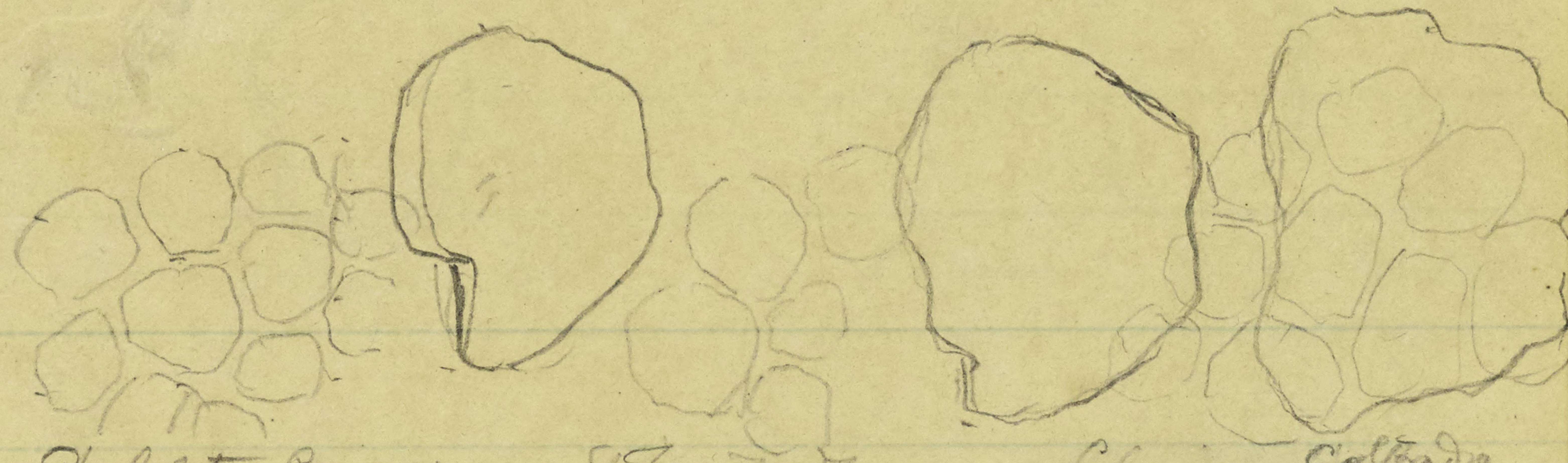


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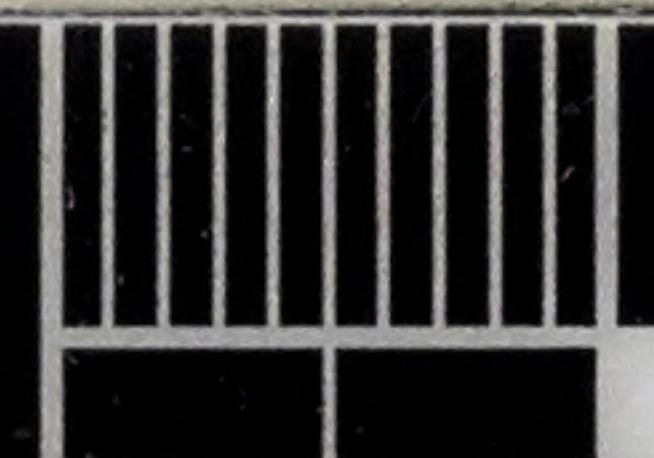
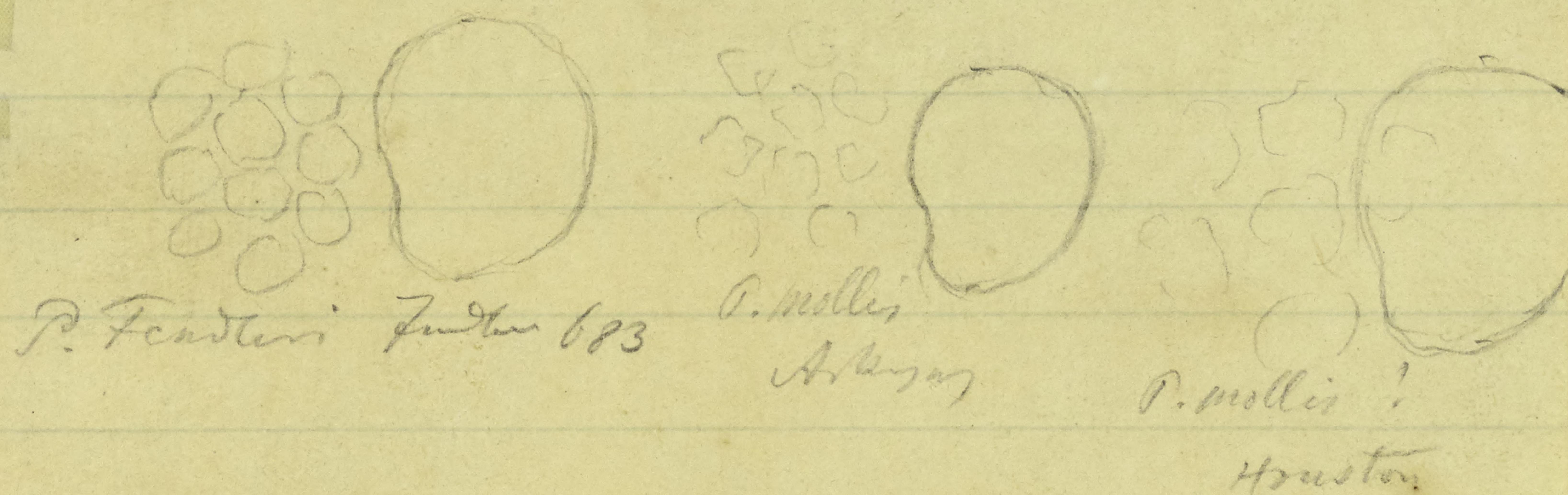
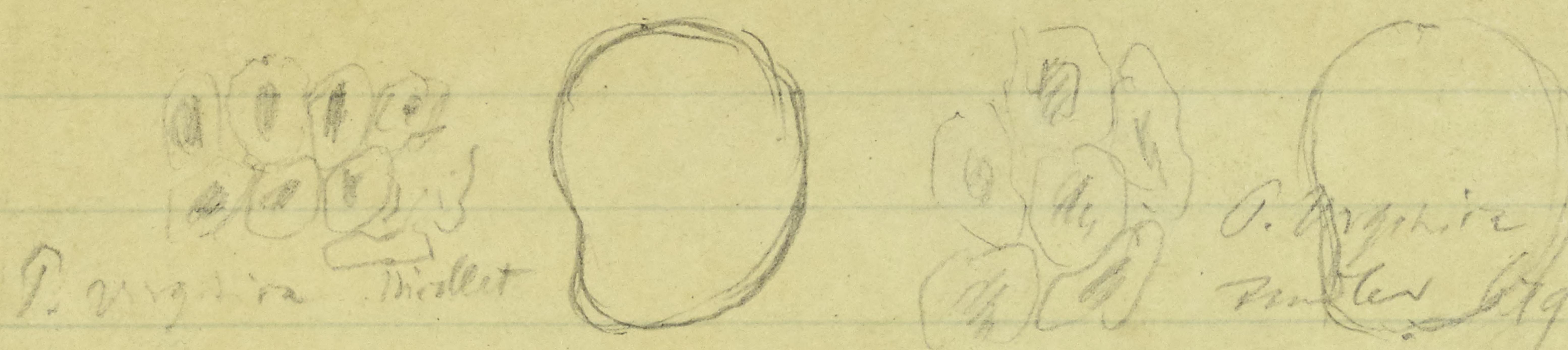
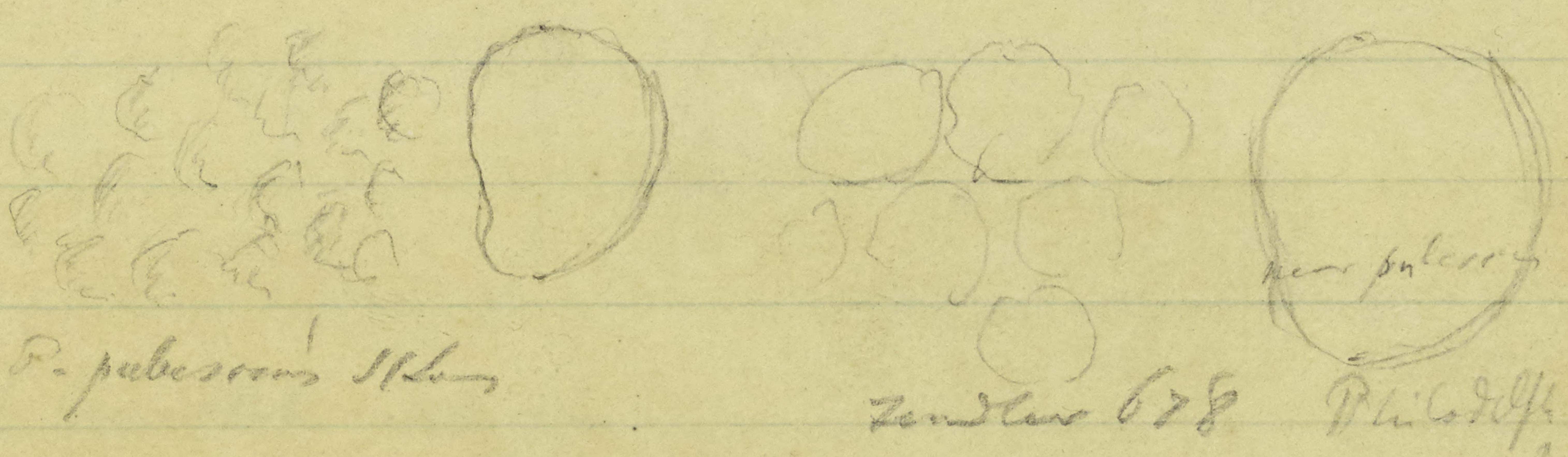
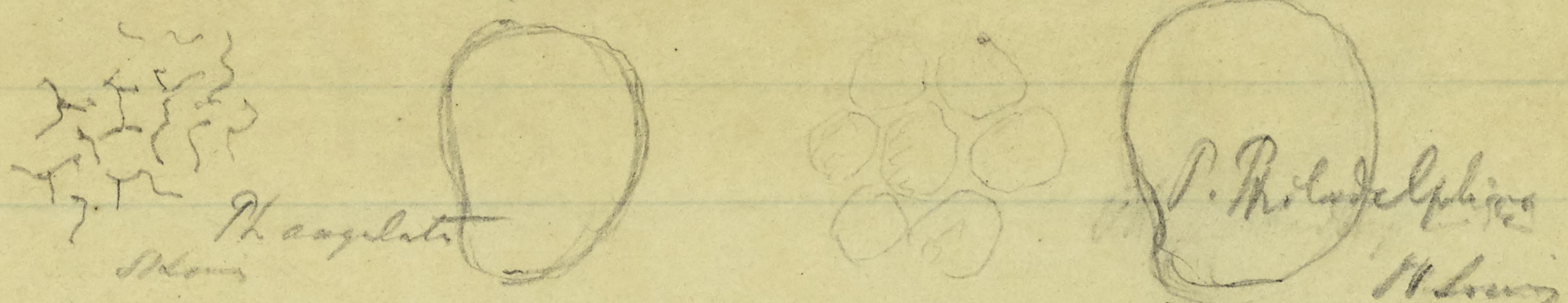
Thysalis size of seeds (x10) & surface markings

April 11 1875

x60



Ph. Cobata Camargo Th. Fendler 677 Colorado Colorado Hall

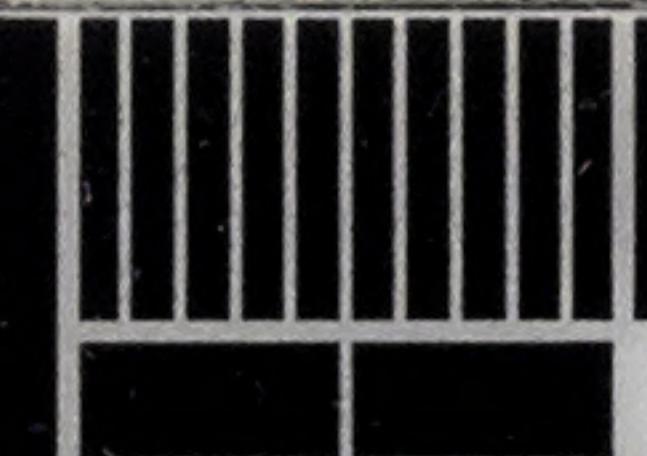
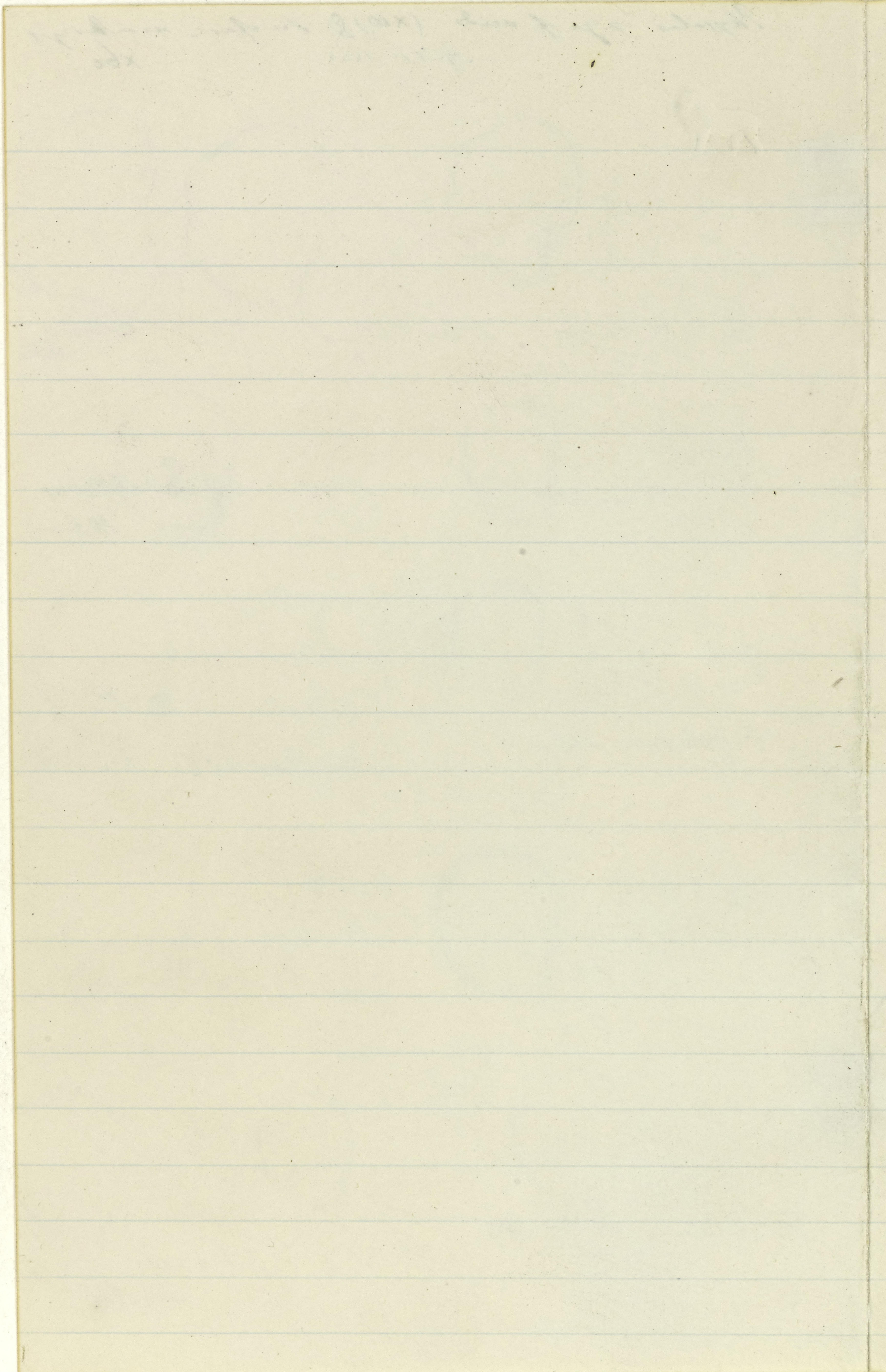


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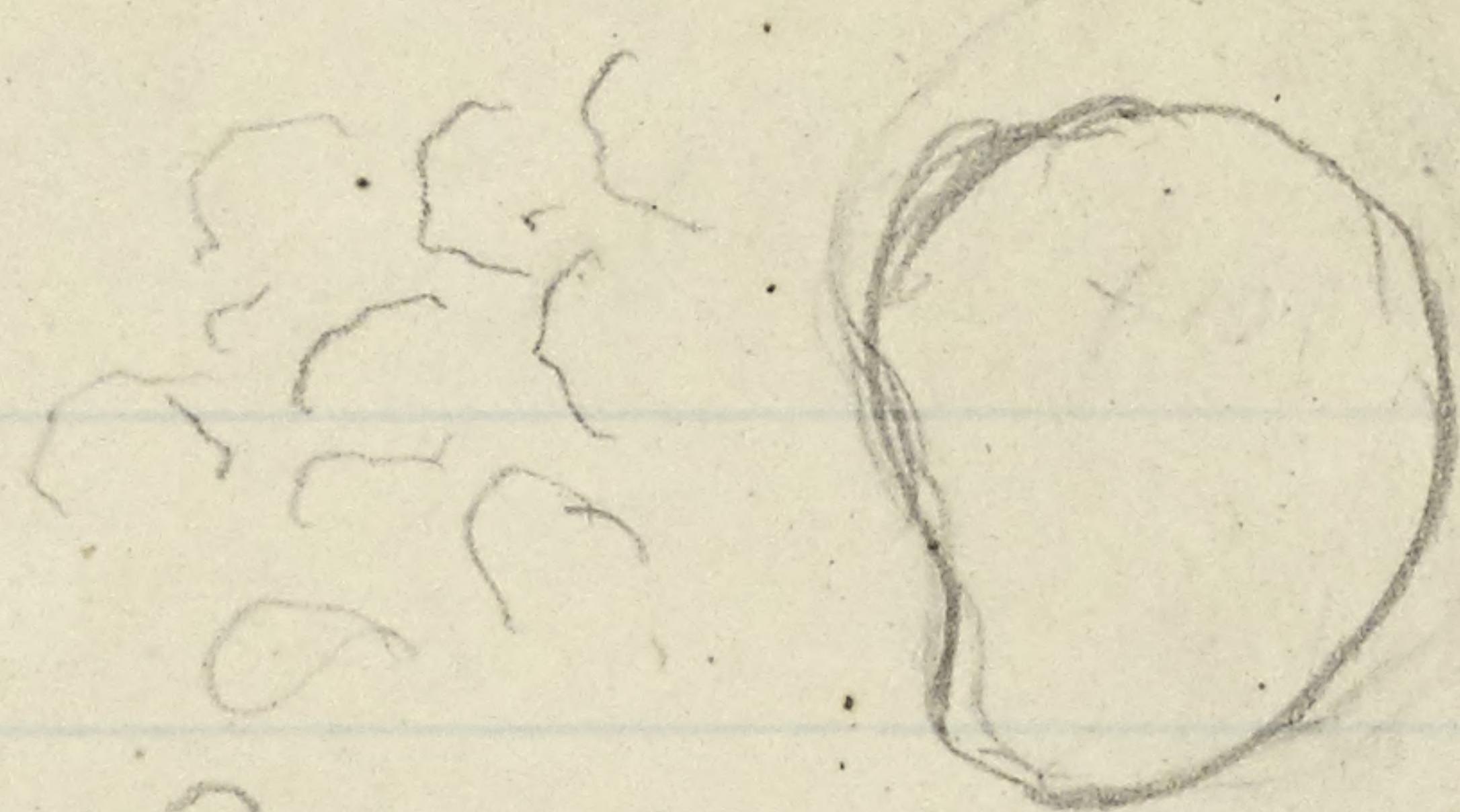


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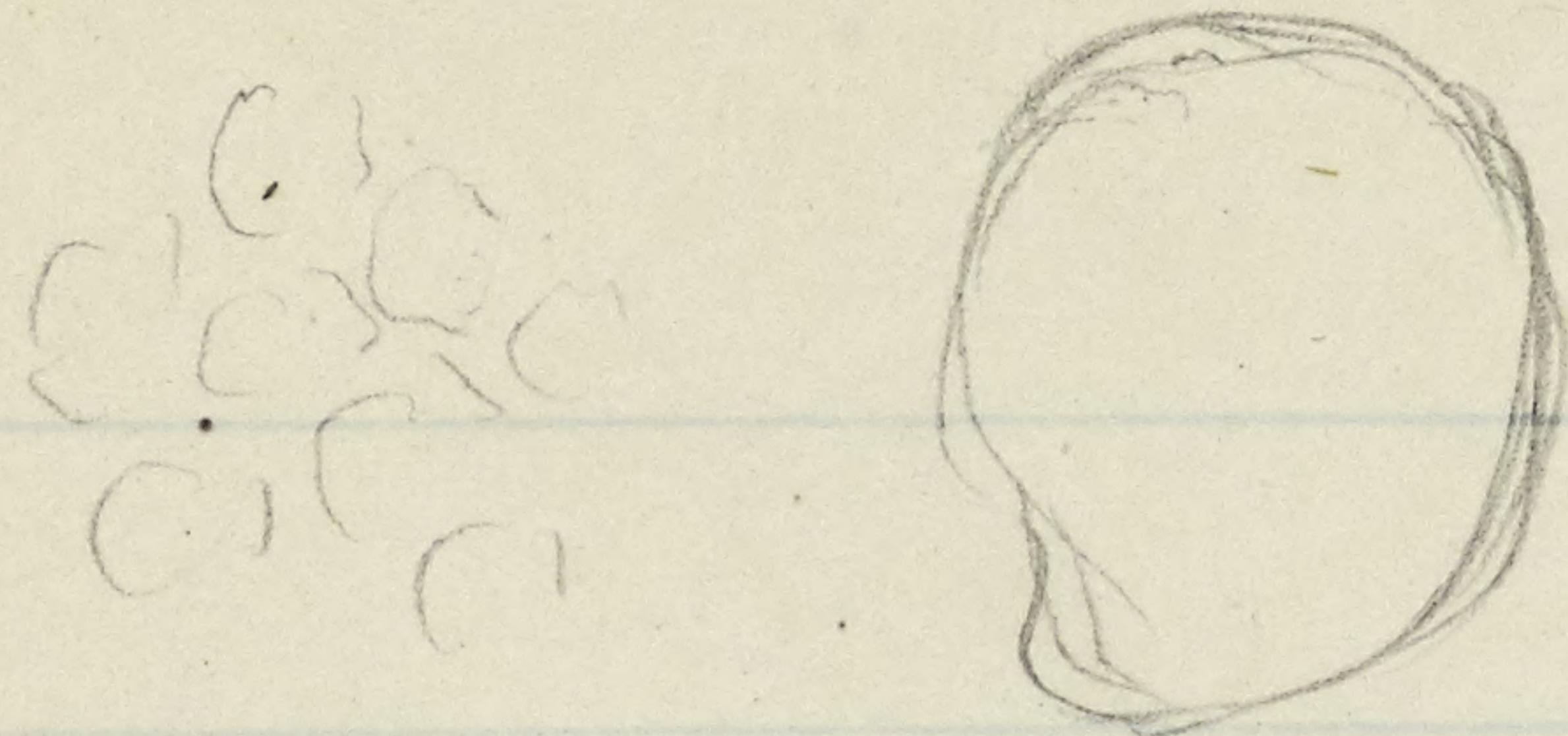
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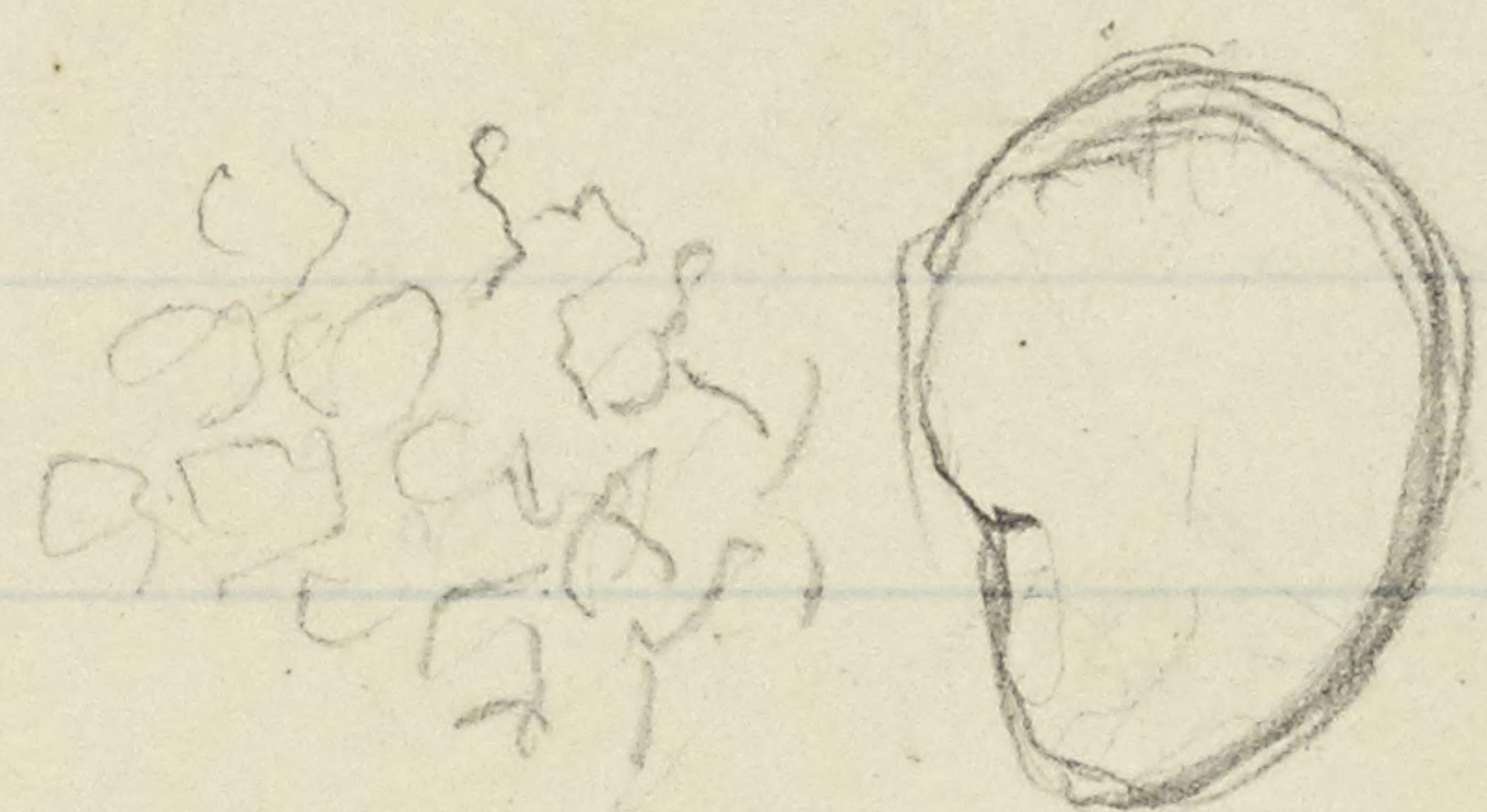
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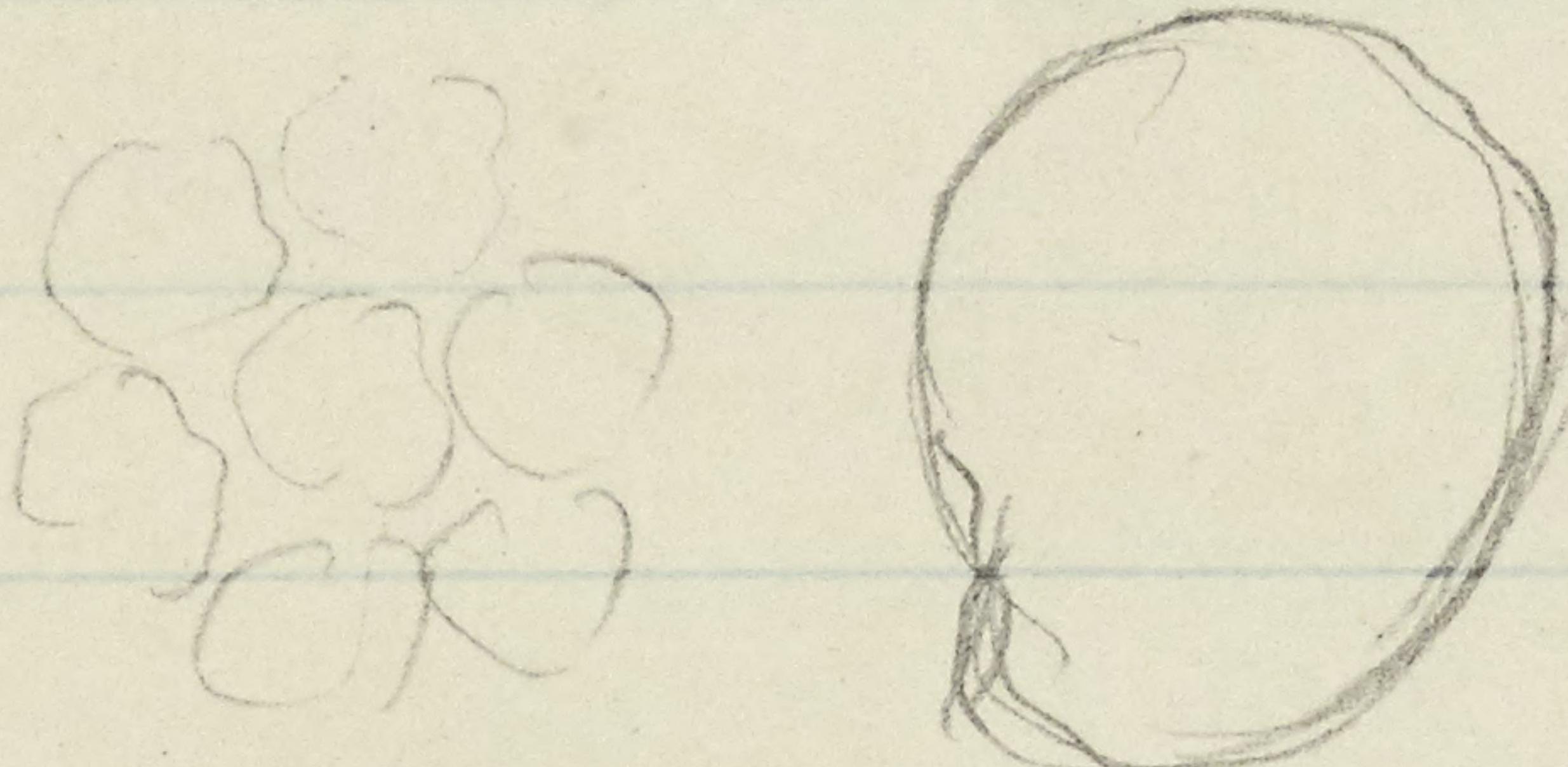
*P. viscosa*, Curtis N.C.



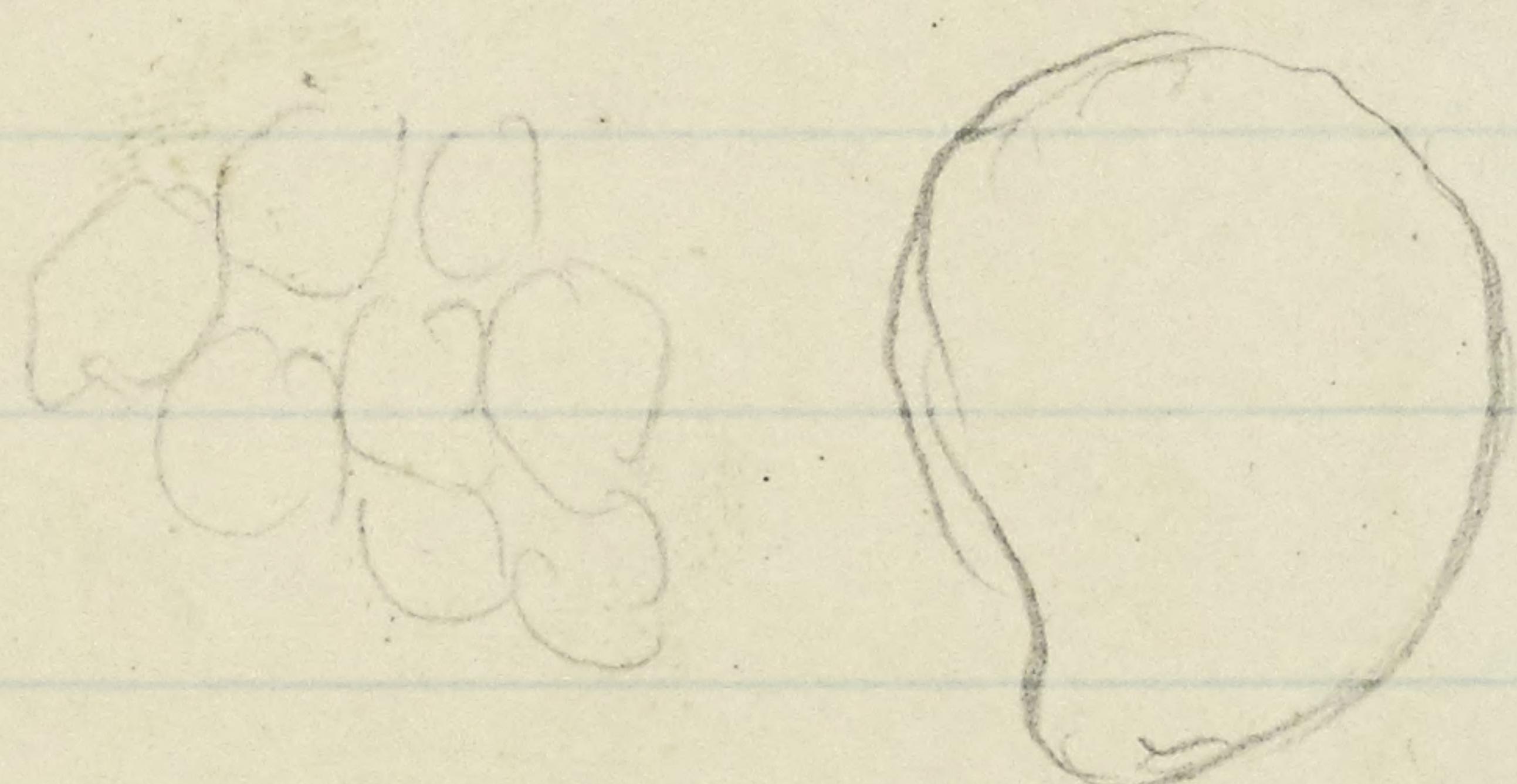
*P. viscosa*, Gregg Pass



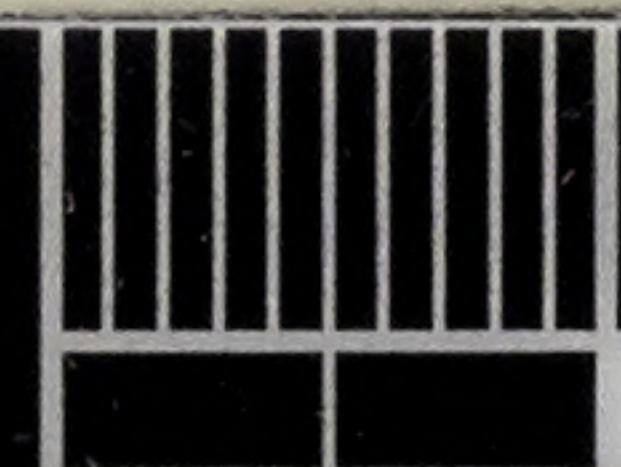
*P. laevigata* Willd.



*Ph. laevigata*, Hooker  
Zey 1842



*Ph. laevigata* N. Bruggh.  
1848



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*Physalis edulis*



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1863, Jan

see Nees Linnaea VI. p. 457  
Schlecht. — XIX. 310  
Kunze XX. 33

Physalis

Spec. Amer. sept. ex DC Prod. (Junal) XIII. 434

434. Sect I Eurystrophia 4

x Stellato-pilosae

1. P. viscosa Lin Am. sept. & austr.

435. 2. P. glutinosa Schlecht. Mex.

3. P. Pensylvanica Lin Am. sept. Mex.

436. 4. P. tomentosa Walt Carolin Mex. Penn

An. bor.

5. P. Jacquinii Link Ph. viscosa Jacq. Pursh Ph. Cansuroida Hort.

437 6. P. lanceolata Michx P. Virginiana Willd. Diet. Carolina

11. P. Alkekengi P. digitalifolia Tampico

439. 13. P. Olliottii Kunze P. lanceolata Willd. ? Florida (Augel)

14. P. Chenopodiifolia Lam. Mex. so Penn P. obscurata Desf. Auberon

Californica Aub.

15. P. heterophylla Nees P. nutans Wall ? P. Pensylvanica Holmboe

Zemoune Aub. bor.

440 Sect II Epetiostrophia 6:

17. P. nyctaginea Don n. sp. Ph. obscura Torr.

§1. Calyx & fruitiferous clausus

x. anthers obtuse, stigmas integrum

a. Corolla rotata, saepe maculata major

17. ? P. nyctaginea Don. n. sp. Ph. obscura Torr. Am. bor.

441 20. P. dentata Tavon n. sp. Mex.

442 21. P. viscidio-pubescent Don n. sp. Ph. obscura P. viscosa pubescens Mex. Park  
N.Y.K., Carolina.

23. P. laevigata Mart & Gal Mex.

443. 24. P. glabra Benth. Calif. infer.

25. P. missipilis Benth. Calif. infer.

b. Corolla infundibulifl. - campanul.

444 28. P. divaricata Don India - Matamoros Benth. semi-pubescent



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p. 445

xx *Anthem. concinna* Steyer var. *lutea* or *lutea*

a. Corolla white, pubescent

33. *P. hirsuta* Desv. n. sp. "America"2. *longifolia* Ohio, Frank3. *repanda dentata* Ph. obscur. x. *Mitch* P. *angulata* <sup>Walt.</sup>*Ph. pruinosa* Lin Ph. N. Y. Richl. *Ph. pubescens* Vahl4. *Ph. carbadensis* Juss.

446

34. *P. pubescens* Lin India utique, Virginia35. *P. foetens* Poir. Mexico etc

447

36. *P. aquatica* Juss. Mexico37. *P. longifolia* Nutt. <sup>Am. Phil. Soc. 5. 173</sup> Arkansas Tom. Bot. Soc. 153.

b. Corolla white in month

38. *P. lanceifolia* Nees. Penn. Mexico

448

39. *P. linkiana* Nees Carolina, Mexico, Penn. etc.41. *P. angulata* L. India utique [Am. bor. except]

449

c. Corolla sulphurifl. corym. maxima and

450

3. 2. Calyx pubescent aperatus white lutes, marcescens, white

42. *P. Philadelphia* Lam. *P. Chenopodioides* Willd. *P. triplinervia* <sup>Juss.</sup>  
*P. ovata* Poir. *P. megistorrhiza* Juss.*P. minor* Mexico.

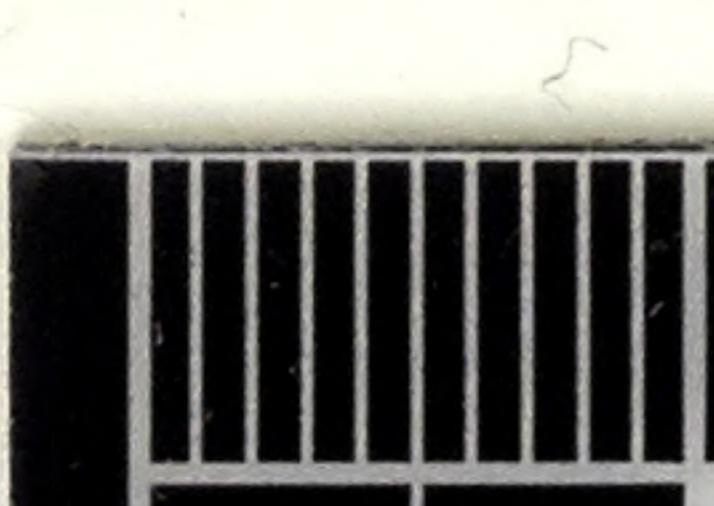
Spec. non satis notae

45. *P. oxytomat.* M. & S. Mexico47. *P. cordata* Mill. Mexico

451.

49. *P. minatiflora* M. & S. Mex.51. *P. villosa* Mill. Mex53. *P. angustifolia* Nutt. Florid Chapin. p. 350. 454. *P. glabra* Mart & Gil Mex.55. *P.?* pedunculata M. & S. Mex56. *P. nitandoides* Schlecht. Mex57. *P. Sancti Josephi* - Mex

452

58. *P. Walteri* Nutt. Carolina59. *P. Orizabae* - Mex60. *P. Phidiana* Mex0  
cm

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P<sub>o</sub>ysalis lobata Torr in Annals N.Y. N. 226 (1828) Bot. Dic. 152

P. pumila Nutt. Am. Phil. Soc. 5. 193.

var Sonorae Torr Bot. Dic. 153

P. laevigata Michx var. spatulifolia Torr, 62.

P. mollis Nutt Am. Phil. Soc 5. p. 193.

P. cardophylla Torr. Bot. Dic. 153. Sonor, California

P. maritima Curtis var? of Ph. laevigata f. Chaper 350



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Chayalis

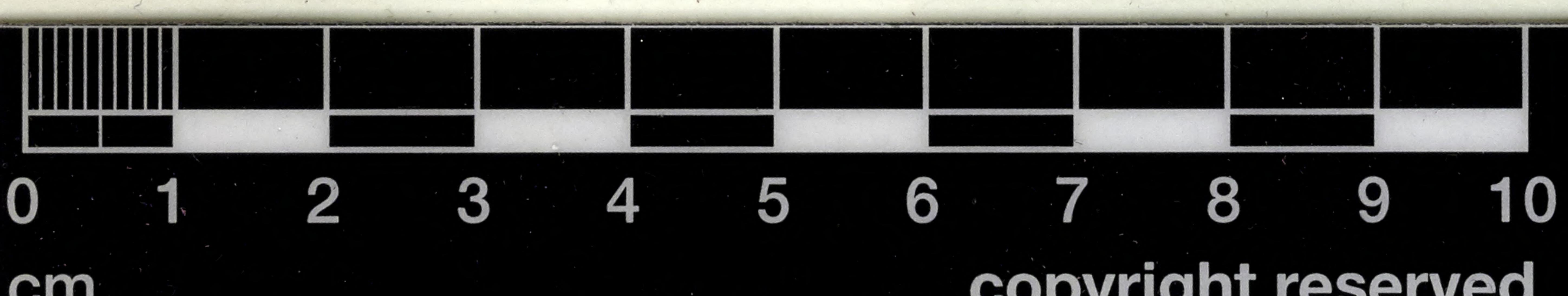
T. annua glabra. = (Argyrolobium annuum  
sprengelii graminifolium)

Philadelphia Lam. ind  
= Philadelphia Lam. ind  
Pfeiffer. Lindl. & Oliv. miss. Tolk.  
Philadelphia Lam. from Pérez  
in glath. form Dasyon.

2. annua pubescens <sup>hirsuta, gland</sup>  
May 22 1811. — = obscurata <sup>My</sup> <sup>infuscata</sup>  
and I might <sup>say</sup> 2 years <sup>and</sup> one

3. *perennis villosa* L. in Gray  
—  
S. mit der Rauh. Blüte von —

4. ferreus obscurus = *pleurogloaminus* L.  
M. Vill. Pugn. dis. P. Gib. Grand age, and  
degg. (Orech.) Kuntze  
Pycnopeltis



3839  
Physalid

Perennies

1. Ph. viscosa L

Quarries above St Louis, Sinkholes,  
west of town

B. major erecta, fol. majoribus obtusis

Sinkholes

326

g. tomentosa

also tomentosa (non glutinosa)

sandy

banks of Arkansas river

321

2. Ph. pensylvanica L

Sinkholes, sandy river  
bank, open woods

323

B. microcalyx fl. majoribus, fol. glutinis,  
grandiflora subdentatis

Walt Gibson

g. major erecta, fls. ovalibus  
Sinkholes

322

3. Ph. lanceolata Mx

perhaps a variety of

the last, and to be called

g. fasciocalyx, calyx villous

Arkansas

B. Annua

Phalaenophylloides Lam

324

4. Ph. angulata L

Sandy banks of the

= Philadelphia Lam?

Mississippi

325

5. Ph. obscura x Ph. angulata

<sup>hirsuta</sup> Durand

Quarries above St Louis

etc.

B. parvifolia fol. subintegerr. Cahuilla

g. pubescens = Ph. pubescens L ??

Quarries above town

& Devil's Lake

g. major fol. magis profunde cordatis  
presso dentatis  
Belleville Bluffs, sandy banks of  
River



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Phytole

A. Axenack

1. *glabra* (Corynephilus) ~~Alaudophilus~~ 2. *rubescens* (Corynephilus)

C. Remmey

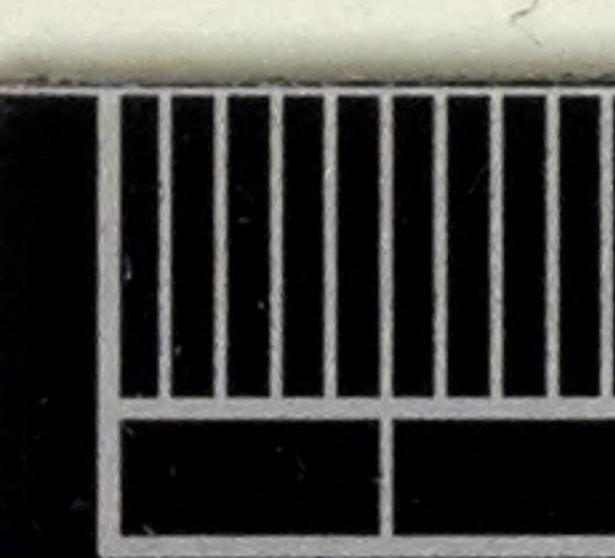
3. Fred. Rosa (visconta di D.)

Sp. obsoletus Linneus (Sparsiphomia Linnei, L. obsoletus Linneus)  
foliolata (P.) radice annua

*Platycerium* *virginatum* *angustatum*

Philadelphia Jan 20<sup>th</sup> 1870  
John C. Weller

large pectinolatis  
floris ovato campanolatis ~~sparsis~~ <sup>utrinque</sup>  
~~atbas~~ ~~analis~~ ~~epitrichi~~ decolor  
nat. 67 s. nuptio decolorat.



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cm

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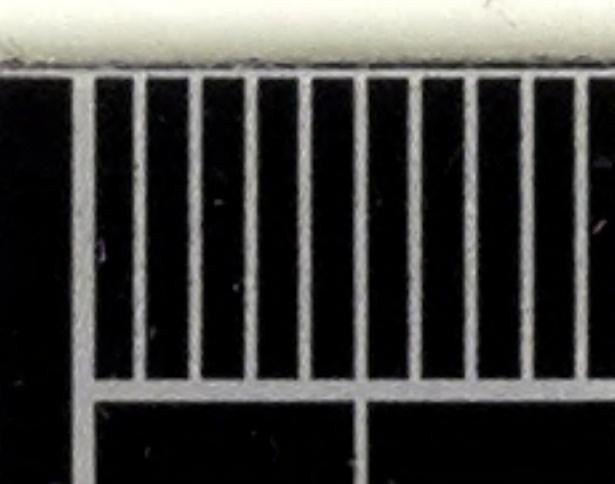
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Physalis

hus. t. Dunc. radice perenne  
(Oaxaca Mx.)

2. pubescens caule patentissimo  
ramoso, ramis divaricatis; pubescens  
foliis

longe petiolatis ovatis

2. rotundatis arietis, basi truncatis

3. cordatis <sup>obtuse</sup> Varg. late ~~dentalis~~

irregularis

super glaberrime  
sulcatis ad venas  
pubescens

floribus breviter pedunculatis, paucis  
pedunculis petiolo ~~longioribus~~ brevibus

calyx <sup>villoso</sup> 5-nervio; lacinias

canaliculatis arietis, tuba aequata

corolla 5-maculata, rotata, <sup>labiata</sup> stirs ad paucem  
s. b. pubescens;

anthera ante anthes volucra, post  
anthes in viride ~~caerulea~~ semicirc. filaments filiformes  
pallide volucra

Stylus viridis subovatus

Ligula ~~capitata~~ bicolorata

calyx pubescens non reticulatus

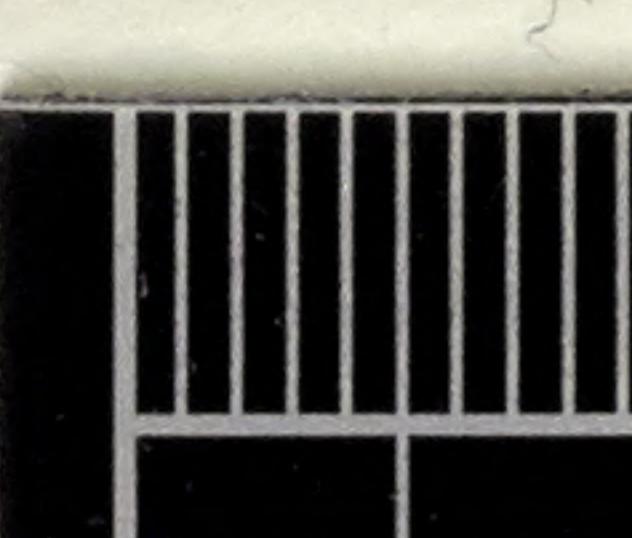
5 carinatus

fructuosa pallide lutea

subangustis

1. foliis minoribus, opacis minime venatis, glabrescentibus, non rugosis

2. foliis majoribus, <sup>angustatis</sup> digitatis pallidis rugoso reticulatis pubescens, venis  
super supra que villosis.



0  
cm

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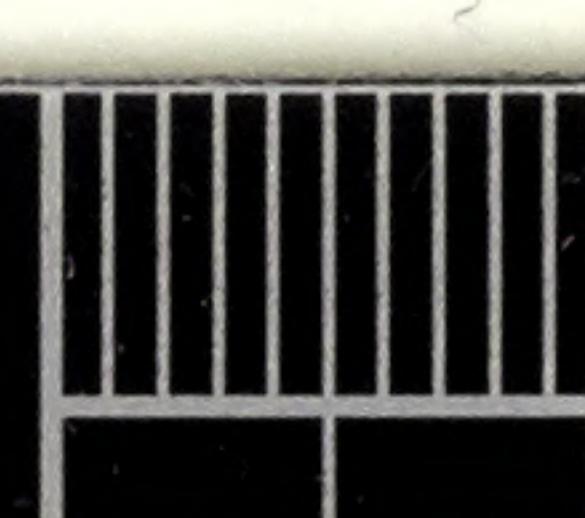
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Physalis

radice perenne

3. villosa (viscosa Lin) caule ~~pubes~~  
patentissimo ramoso, ramis divaricatis glanduloso-orlos

foliis ~~long~~ pedunculatis o.vatis  
acutis basi obtusis <sup>secundatis</sup> inaequibus grossis  
obtuso-dentatis <sup>et rugis</sup> <sup>quilescentibus</sup>

floribus longis pedunculis  
magis pedunculis petiolatis  
subaequantibus

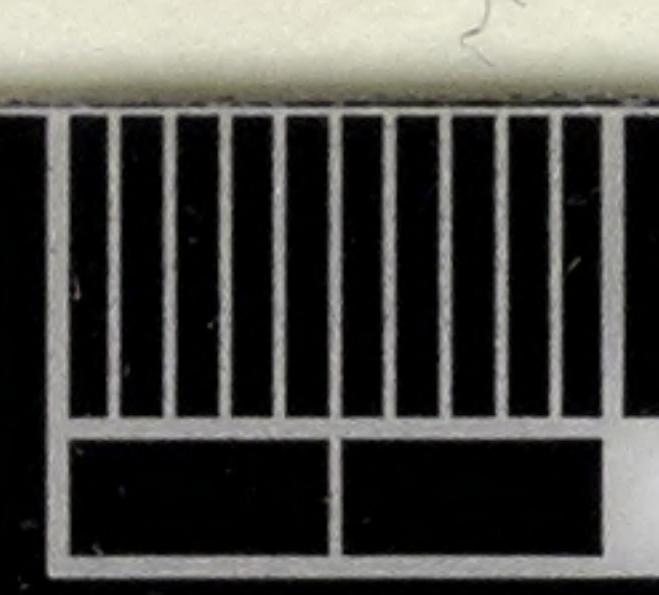
calyx ~~vilosus~~ viscoso 10 mm  
laeviis ovoe-lanulatis anulis  
tubae aequantibus,

corolla immixulata rotata ad faciem  
intus ~~gibbos~~ lineis pubescentibus  
notata

filum trahi visceris clavatis, non rotatis  
antheris pallidi, floribus longis  
stylos viridis (ad basi pallidi  
viridescens) subrugosum  
ligula tenuata nitida

calyx periferus 10 carinatus  
5-6 lini intermedio viridis  
prominulis; ~~staminata~~

fructuosa



cm

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*Chrysanthemum*

*dauricum*

892' 1180  
805' 1140

*Chrysanthemum*  
*dauricum*



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cm

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Physalis

4. obscura (pannosylvanica L.) radice perenne  
caule erecto ramoso ramicis  
divaricatis, glabris, subglabris. Sparsa pubescens  
flos longe pedicellatae magna  
pedunculis, laeviolate sordide  
laeviolate auctiori, - petiolata  
decurrentibus glabri, integra  
(nervis pectinatis s. ramiatis datus)  
glabriuscula

floris longe pedicellatae magna  
pedunculis petiolatis superantibus  
calyx glabriuscula, s. pilis  
sparsis adpresso pubescens, margini ciliatus  
10 nerviis laeviis auctiori  
auctiori, tuba <sup>subaequalis</sup> ~~longior~~ ~~longior~~

corolla 5 meridiata rotata  
ad fons inter orlosa;

filamenta nonassata, elevata  
violacea, anthera violacea

stylos subaequalis, viridis  
ad basi pallide violacea  
stigma minute.

calyx punctiflorus leviter velutinibus  
10 carinatus, 5 carinis intermis  
attenuata ~~et~~ <sup>et</sup> angustata palea mag  
promonulata

facta



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*Physalis*

5.

York Gibson  
Barres, June

*Radicis perennis*  
*Caulis erectus ramosus* of Caber,  
*foliis suboaristis glabris*,  
*foliis petiolatis, laciniolatis, aereis, simplicibus*,  
*alternatis, repando dentato-undulatis*, *secum*  
*dentibus parvioris majoribus*,  
*hirsutis, glabris*

appears to be  
different from  
Pennsylvanica by the  
only

*foliis longe pedunculatis maximi*  
*pedunculis petiolis longioribus*

*calyx glaber, <sup>minutissimus</sup> as lacinias, (10 mm.?)*  
*ovulis ovatis aequaliter, tubo*  
*duplo longioribus*



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cm

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GEORGE ENGELMANN PAPERS

8001 [unclear]  
of plant genera &  
forwards are my

dear 3

165' 00  
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Carey Engelm



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